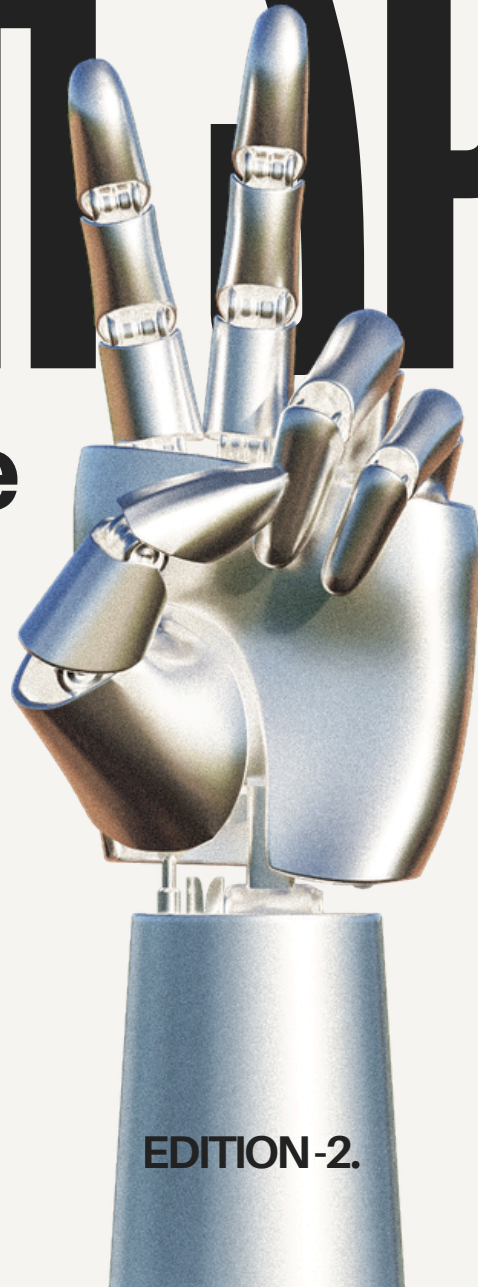


DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING

TECH SPIRE

Magazine

2025-2026



EDITION-2.



DR.T.THIMMAIAH INSTITUTE OF TECHNOLOGY

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

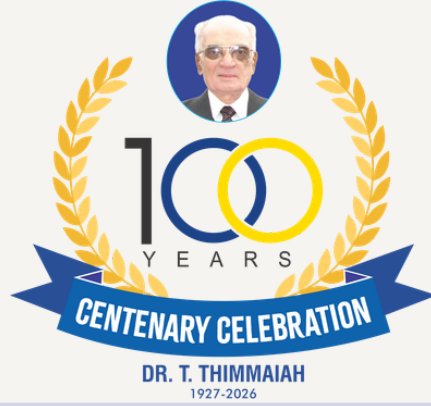
TECH SPIRE

2025-2026

EDITION 2.

INSPIRED MINDS.
INTELLIGENT FUTURES

A LEGACY THAT ENDURES



LATE DR. T. THIMMAIAH, PH.D (LONDON), FOUNDER

The Department of Computer Science and Engineering proudly dedicates TECH SPIRE – Edition 2 to the cherished memory of Late Dr. T. Thimmaiah, Ph.D. (London), IAS (Retired), our visionary Founder and President Emeritus, on the occasion of his 100th Birth Anniversary.

A distinguished educationist and visionary leader, Dr. T. Thimmaiah established this institution under the aegis of the Golden Valley Educational Trust with the noble mission of bringing quality technical education to rural students. His foresight also led to the establishment of the Department of Computer Science and Engineering in 1988, laying the foundation for innovation and academic excellence.

As we present TECH SPIRE – Edition 2, we pay tribute to his enduring legacy and express our heartfelt gratitude for his invaluable contributions to education. His vision continues to inspire us to pursue knowledge, innovation, and excellence.

LEADERSHIP INSIGHTS



Dr. T. Venkat Vardhan
President, GVET

It gives me immense pleasure to extend my warm greetings on the publication of TECH SPIRE – Edition 2, the Departmental Magazine of the Department of Computer Science and Engineering at Dr. T. Thimmaiah Institute of Technology. TECH SPIRE – Edition 2 reflects the department's pursuit of academic excellence, innovation, and holistic student development by showcasing achievements in academics, research, publications, technological innovations, as well as sports, cultural, and club activities. It serves as an inspiring platform that celebrates talent, creativity, and the spirit of continuous learning.

I sincerely appreciate the dedicated efforts of Dr. Geetha C. Megharaj, Head of the Department, the faculty members, the editorial team, and the students in bringing out TECH SPIRE – Edition 2. I am confident that this magazine will continue to foster knowledge sharing, innovative thinking, and meaningful contributions to society. I extend my heartfelt best wishes for the continued success of TECH SPIRE – Edition 2 and all future endeavors of the Department of Computer Science and Engineering.



Mr. Raoul Kengal Vardhan
Vice President, GVET

As the Vice President, I am delighted to witness the release of the Second Edition of TECH SPIRE, a remarkable initiative of the Department of Computer Science and Engineering. The magazine aptly showcases the achievements of students and faculty in academics, research, publications, sports, and cultural activities, reflecting the department's commitment to excellence. I commend the dedicated efforts of the faculty members, students, and the editorial team for bringing out this inspiring publication. May TECH SPIRE continue to foster innovation, creativity, and a passion for lifelong learning among young minds. I extend my sincere best wishes for the continued success of this publication and its future editions.



Mr. Rohahn Vardhan
Vice President, GVET

As the Vice President, I am delighted to congratulate the Department of Computer Science and Engineering on the release of the Second Edition of TECH SPIRE. This edition showcases the outstanding achievements of our students in academics, research, publications, sports, and cultural activities. I sincerely appreciate the dedicated efforts of the faculty members, students, and the editorial team in making this publication a success. May TECH SPIRE continue to inspire innovation, creativity, and excellence among young minds. I extend my heartfelt best wishes for its continued success and many more remarkable editions.

CONTENTS

- 
- 1.ABOUT TECH SPIRE
 - 2.DEPARTMENT VISION AND MISSION
 - 3.MESSAGES
 - 4.EDITORS NOTE
 - 5.STUDENTS EDITORS
 - 6.STUDENTS ACTIVITIES AND ACHIEVEMENTS
 - 7.INNOVISION
 - 8.MILESTONES & ACHIEVEMENTS
 - 9.OUTREACH PROGRAMS
 - 10.ALUMNI CHRONICLES
 - 11.BEYOND THE SCOREBOARD
 - 12.INKSPIRE
 - 13.BRAIN BYTES
 - 14.37TH GRADUATION

TECH SPIRE

TECH SPIRE – Edition 2 is the second issue of the student-led technical magazine of the Department of Computer Science and Engineering at Dr. T. Thimmaiah Institute of Technology, Kolar Gold Fields. This edition reflects the department's continued commitment to academic excellence, innovation, and holistic student development. It serves as a platform for students and faculty to share their achievements, ideas, and experiences while fostering a culture of learning, creativity, and collaboration. The magazine also features inspiring messages from the Principal, Vice Principal, Dean Academics, and Head of the Department, highlighting the importance of research, ethical values, and industry-oriented education.

This edition showcases the diverse accomplishments of students in academics, technical competitions, project exhibitions, and research activities. It also celebrates excellence in cultural and sports events, recognizing students who have excelled in literary, artistic, athletic, and co-curricular pursuits. In addition, the magazine includes creative contributions such as articles, poems, and other literary works, reflecting the department's encouragement of both technical proficiency and all-round personality development.

TECH SPIRE – Edition 2 also documents the department's vibrant academic and extracurricular activities, including technical workshops, seminars, expert lectures, coding contests, innovation and entrepreneurship programs, industrial interactions, and skill development initiatives. As a reflection of the department's achievements and aspirations, this edition celebrates the collective efforts of students and faculty while inspiring readers to pursue excellence, creativity, leadership, and lifelong learning in the field of Computer Science and Engineering.

DEPARTMENT VISION AND MISSION



VISION

“To produce highly competent and innovative Computer Science professionals through excellence in teaching, training and research.”

MISSION

- To provide appropriate infrastructure to impart need-based technical education through effective teaching and research
 - To involve the students in innovative projects on emerging technologies to fulfill the industrial requirements.
 - To render leadership skills and ethical responsibilities in students that leads them to become globally competent professionals.
- 

MESSAGES



It is my privilege, as the Principal of Dr. T. Thimmaiah Institute of Technology, to present TECH SPIRE – Edition 2, the student-led technical magazine of the Department of Computer Science and Engineering. This edition reflects our institution's commitment to academic excellence, innovation, research, and holistic student development while showcasing achievements in academics, technical events, cultural and sports activities. I congratulate the editorial team, faculty, and students for their dedicated efforts in bringing out this edition and hope it inspires every reader to pursue knowledge, embrace innovation, uphold ethical values, and strive for excellence in all their endeavors.



As the Vice Principal of Dr. T. Thimmaiah Institute of Technology, I am delighted to present TECH SPIRE – Edition 2, the student-led technical magazine of the Department of Computer Science and Engineering. This edition showcases the creativity, innovation, and achievements of our students in academics, research, technical events, cultural activities, sports, and co-curricular initiatives. I congratulate the editorial team, faculty mentors, and student contributors for their dedicated efforts and am confident that TECH SPIRE – Edition 2 will inspire every reader to pursue knowledge, innovation, and professional excellence.



As the Dean Academics of Dr. T. Thimmaiah Institute of Technology, I am pleased to present TECH SPIRE – Edition 2, the student-led technical magazine of the Department of Computer Science and Engineering. This edition reflects the department's commitment to academic excellence, innovation, and industry-oriented learning while showcasing student achievements in academics, technical, cultural, and sports activities. I congratulate the faculty, editorial team, and student contributors for their dedicated efforts and hope this edition inspires every reader to pursue knowledge, creativity, and professional excellence.

CHIEF EDITOR & HOD



DR. GEETHA C MEGHARAJ

HEAD, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

As the Head of the Department of Computer Science and Engineering, it gives me immense pleasure to present TECH SPIRE – Edition 2, the student-led technical magazine of our department. This edition serves as a vibrant platform for students and faculty to showcase their technical knowledge, innovative ideas, research contributions, and academic accomplishments. It also highlights the department's achievements in technical events, project exhibitions, workshops, cultural activities, sports, and various co-curricular initiatives, reflecting our commitment to excellence, creativity, industry-oriented learning, and holistic student development.

I extend my heartfelt congratulations to the editorial team, faculty members, and student contributors for their dedication and sincere efforts in bringing out TECH SPIRE – Edition 2. I am confident that this magazine will inspire our students to embrace innovation, strengthen their technical and leadership skills, uphold ethical values, and continue striving for academic, professional, and societal excellence.

EDITORS NOTE



PROF. SWETHA N
ASSISTANT PROFESSOR



PROF. PREETHI S
ASSISTANT PROFESSOR

As the Editorial Team, we are delighted to present TECH SPIRE – Edition 2, the student-led technical magazine of the Department of Computer Science and Engineering. This edition is a collective effort to showcase the academic excellence, technical innovation, and creative talents of our students and faculty. It features student achievements, technical articles, research activities, projects, departmental events, as well as highlights from cultural, sports, and co-curricular activities, reflecting the vibrant and dynamic spirit of our department.

We extend our heartfelt gratitude to the Management, Principal, Vice Principal, Dean Academics, Head of the Department, faculty members, and all contributors for their constant support and encouragement in making TECH SPIRE – Edition 2 a success. We hope this edition inspires every reader to explore new ideas, embrace innovation, and strive for excellence in both academic and professional endeavors.

STUDENTS EDITORS



PAVITHRA M
1GV23CS072



NEHASHREE
1GV23CS127



RAKSHITHA MR
1GV23CS081



DEEPAK S
1GV24CS039

STUDENTS ACHIVEMENTS AND ACTIVITIES

COLLEGE TOPPER DR. T. THIMMAIAH INSTITUTE OF TECHNOLOGY



ನಿಹಾರಿಕೆಗೆ ಪ್ರಥಮ ಸ್ಥಾನ
ಬಂಗಾರದಬೇಟೆ: ನಿಹಾರಿಕೆ ಕಂಪ್ಯೂಟರ್ ಸೈನ್ಸ್ ಅಂಡ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದಲ್ಲಿ 94.78 ಶೇಕಡಾ ಅಂಕಗಳೊಂದಿಗೆ ಪ್ರಥಮ ಸ್ಥಾನ ಪಡೆದು ಬಂಗಾರದ ಪೇಟೆಗೆ ಪದವಿ ಪಡೆದಿದ್ದಾರೆ. ಈಕೆ ನಗರದ ಶಾಂತಿನಗರ ನಿವಾಸಿಗೂ ದೇವೇಶ್ ಹಾಗೂ ಮಮತಾ ದಂಪತಿಯ ಪುತ್ರಿ. ಶೈಕ್ಷಣಿಕ ಕ್ಷೇತ್ರದಲ್ಲಿ ನಿರಂತರ ಪರಿಶ್ರಮ, ಹಿನ್ನೆಲೆ ಹಾಗೂ ಗುರು ಸಾಧನವು ಫಲಶ್ರುತಿಯಾಗಿ ಅವ್ಯಯವ ನಡೆಸಿದ ನಿಹಾರಿಕೆ ಅವರು ಆತ್ಮ ಶ್ರಮ ಸಾಧನೆ ಮಾಡುವ ಮೂಲಕ ಸಮಾಜದೊಳಗೆ ಮಾರೆಯಾಗಿದ್ದಾರೆ.

ಎಂಜಿನಿಯರಿಂಗ್ ಪದವೀಲಿ ನಿಹಾರಿಕೆ ಕಾಲೇಜಿಗೆ ಟಾಪರ್

ಬಂಗಾರದಬೇಟೆ: ಬೆಳ್ಳಗರ ಶಾಂತಿನಗರ ವಾಸಿ ಮಮತಾ ಹಾಗೂ ದೇವೇಶ್ ದಂಪತಿ ಪುತ್ರಿ ನಿಹಾರಿಕಾ ಕೆ.ಎಸ್. ಅರಸೀಕೆರವರ ದಾ.ಪಿ.ತಿಮ್ಮಯ್ಯ ಶಾಂತಿಕೆರೆ ಮಹಾವಿದ್ಯಾಲಯ

ಪಿಎಸ್ ಆರ್ ಬಾಪ್ಲರ್ ಅಗಿ ಹೊರಹೊಮ್ಮಿದ ನಿಹಾರಿಕೆಗೆ ಜನ್ಮದ ಪದಕ

ಬಾಪ್ಲರ್ ಪದಕ ದಿವ್ಯ ಬಂಗಾರದಬೇಟೆ: ಬಂಗಾರದಬೇಟೆ: ಬೆಳ್ಳಗರ ಶಾಂತಿನಗರ ವಾಸಿ ಮಮತಾ ಹಾಗೂ ದೇವೇಶ್ ದಂಪತಿ ಪುತ್ರಿ ನಿಹಾರಿಕಾ ಕೆ.ಎಸ್. ಅರಸೀಕೆರವರ ದಾ.ಪಿ.ತಿಮ್ಮಯ್ಯ ಶಾಂತಿಕೆರೆ ಮಹಾವಿದ್ಯಾಲಯ

ನಿಹಾರಿಕೆಗೆ ಪ್ರಥಮ ಸ್ಥಾನ ಪಡೆದು ಬಂಗಾರದ ಪೇಟೆಗೆ ಪದವಿ ಪಡೆದಿದ್ದಾರೆ. ಈಕೆ ನಗರದ ಶಾಂತಿನಗರ ನಿವಾಸಿಗೂ ದೇವೇಶ್ ಹಾಗೂ ಮಮತಾ ದಂಪತಿಯ ಪುತ್ರಿ. ಶೈಕ್ಷಣಿಕ ಕ್ಷೇತ್ರದಲ್ಲಿ ನಿರಂತರ ಪರಿಶ್ರಮ, ಹಿನ್ನೆಲೆ ಹಾಗೂ ಗುರು ಸಾಧನವು ಫಲಶ್ರುತಿಯಾಗಿ ಅವ್ಯಯವ ನಡೆಸಿದ ನಿಹಾರಿಕೆ ಅವರು ಆತ್ಮ ಶ್ರಮ ಸಾಧನೆ ಮಾಡುವ ಮೂಲಕ ಸಮಾಜದೊಳಗೆ ಮಾರೆಯಾಗಿದ್ದಾರೆ.

The Department of Computer Science and Engineering, Dr. T. Thimmaiah Institute of Technology, proudly congratulates **Ms. Niharika S. 1GV22CS056** for securing the **College Topper** position in the **Bachelor of Engineering** programme with an **outstanding 94.78%**. In recognition of her exceptional academic achievement, she was awarded the **College Gold Medal** along with a cash prize of **₹1,00,000** and was felicitated during the 37th Graduation Day Celebrations of Dr. T. Thimmaiah Institute of Technology, held on Monday, 27th July 2026. Her remarkable success is a testament to her dedication, perseverance, hard work, and unwavering commitment to academic excellence, bringing immense pride and honour to the Department and the institution. The Management, Principal, faculty members, and fellow students extend their heartfelt congratulations to Niharika on this prestigious achievement and wish her continued success in her higher studies and professional career.

The Department is confident that she will continue to excel and achieve many more milestones in the years ahead.

ACADEMIC EXCELLENCE

6TH SEMESTER TOPPER



AMULYA K S
1GV23CS007



JEEVITHA REDDY R
1GV23CS048



DEEKSHAN R
1GV23CS025



NEHA SHREE G
1GV23CS127



TARUN V
1GV23CS106



CHAITHRA S
1GV23CS016



RAKSHITHA M R
1GV23CS081



AKSHAYA K
1GV23CS004



MIRZAMUNAWERBAIG
1GV23CS062

ACADEMIC EXCELLENCE

4TH SEMESTER TOPPER



SOWMYA K
1GV24CS165



TELIGI ANURADHA
1GV24CS179



SWATHI S
1GV24CS177



SHOBITHA V
1GV24CS158



SYED SHABAZULLA
1GV24CS178



REKHA REDDY J
1GV24CS141



DEEPAK S
1GV24CS039



VAISHNAVI MALLAPPA INDI
1GV24CS187



MEGHANA K P
1GV24CS101

GATE ACHIEVEMENT



ABINAYA KRISHNA KUMAR
1GV22CS002



SHASHANK K. R.
1GV23CS092

The Department of Computer Science and Engineering, Dr. T. Thimmaiah Institute of Technology, proudly celebrates the remarkable achievement of **Abinaya Krishna Kumar 1GV22CS002** and **Shashank K. R. 1GV23CS092** for successfully qualifying the Graduate Aptitude Test in Engineering (GATE) 2026. Their success is a testament to their dedication, perseverance, and strong academic foundation, reflecting the department's commitment to nurturing excellence and preparing students for higher education and professional advancement.

This outstanding accomplishment has brought pride to the department and serves as a source of motivation for fellow students to pursue their goals with determination and hard work. The faculty and students extend their heartfelt congratulations to the achievers and wish them continued success in their higher studies and future careers.

May they continue to scale greater heights and inspire many more aspiring engineers in the years to come.

YUKTI 2K26



The students of the Department of Computer Science and Engineering, Dr. T. Thimmaiah Institute of Technology, enthusiastically participated in **YUKTI 2K26**, a prestigious technical fest organized by Visvesvaraya Technological University (VTU) at VIAT College, Muddenahalli, Chikkaballapura, on 24th and 25th March 2026. The event provided an excellent platform for students to showcase their technical expertise, creativity, innovation, and teamwork through a variety of technical and non-technical competitions. Their enthusiastic participation reflected the department's commitment to nurturing talent, promoting innovation, and encouraging experiential learning.

The Department proudly congratulates **Akshay Kumar K. N. 1GV23CS003** and **Charan M. L. 1GV23CS021** for securing **First Prize** in the **Technical Paper Presentation** event, bringing laurels to the institution. **Deeksha N. R. 1GV23CS025**, **Haseni G. 1GV23CS042**, and **Gouri V. Kalgurki 1GV23CS036**, actively participated in **Code Debugging** and **Cooking Without Fire**, demonstrating their technical and creative abilities.

The outstanding achievements and active participation of the students reflect the department's pursuit of academic excellence and holistic development, and the faculty wishes them continued success in all their future endeavors.

DATASTROM



The students of the Department of Computer Science & Engineering, Dr. T. Thimmaiah Institute of Technology (Dr. TTIT), Kolar Gold Fields, **enthusiastically participated in DATASTROM 2026**, an intercollegiate technical fest hosted by Kuppam Engineering College on **19th February 2026**. A total of 28 students from the IV and VI Semesters represented the department with great enthusiasm, competing in events such as Project Expo, Paper Presentation, Web Designing with AI, Logo Identification, Treasure Hunt, and Photography. Their active participation reflected the department's commitment to academic excellence, innovation, and technical competence.

The department takes pride in the outstanding achievements of its students. **Akshay Kumar K. N 1GV23CS003.** and **Tirumala D 1GV23CS110.** secured **First Prize in Project Expo**, **Prithisha R.** won **First Prize in Photography**, **Rich Antony T.** secured **First Prize in Logo Identification**, while **Prithvi Raj Singh M 1GV23CS078.** and **Veena S 1GV23CS117.** earned **Second Prize in Logo Identification**.

These accomplishments brought laurels to the institution and stand as a testament to the talent, dedication, and hard work of the students.

INNOVATING FOR A BETTER TOMORROW



Akshay Kumar K. N. 1GV23CS003 Wins First Prize at National Techno Exhibition 2026

The Department of Computer Science and Engineering, Dr. T. Thimmaiah Institute of Technology, proudly congratulates **Akshay Kumar K. N. 1GV23CS003**, Founder of **BhoomiShakti AI**, **BhoomiShakti Seva**, and **BhoomiShakti Agri Digital**, for securing **First Prize** along with a cash prize of **₹12,500** in the **Technical Project/Product Competition** at the **10th National Techno Exhibition 2026**, organized by Dr. Ambedkar Institute of Technology, Bengaluru, on 13th April 2026. His project, "BhoomiShakti X – A Solar-Assisted Battery-Powered Agricultural Ploughing Machine," under the "**Digital Innovation**" theme, also received the **Certificate of Excellence** and **Award of Appreciation**.

Akshay Kumar K. N. 1GV23CS003 is an emerging innovator, web developer, mobile app developer, and AI enthusiast dedicated to transforming agriculture through technology. His achievement reflects his creativity, technical expertise, and commitment to developing sustainable, technology-driven solutions for the farming community.

The Department of Computer Science and Engineering extends its heartfelt congratulations on this remarkable accomplishment and wishes him continued success in his journey as an innovator, entrepreneur, and technology leader.

INNOVISION

FIVE-DAY FACULTY DEVELOPMENT PROGRAMME ON EMERGING AI TRENDS



The Department of Computer Science and Engineering, Dr. T. Thimmaiah Institute of Technology, organized a Five-Day Faculty Development Programme (FDP) on **"From Automation to Creation: Emerging AI Trends Powered by Generative Models"** from 2nd to 6th February 2026, in association with the Department of CSE (AI & ML) and the Institution's Innovation Council (IIC).

The programme featured expert sessions by **Mrs. Megha B. S., Co-Founder**, and **Mr. Vijay B. R., Co-Founder & CEO, Mevi Technologies, Bengaluru**, who shared insights on Generative AI, automation, and emerging AI trends. The FDP enhanced participants' knowledge of industry-relevant AI applications and reinforced the institution's commitment to innovation, continuous learning, and academic excellence.

INNOVATIVE MINDS AT WORK



The Department of Computer Science & Engineering, in association with the Institution's Innovation Council (IIC) and IEEE Bangalore Section, organized the **Poster Presentation on Innovations & Prototypes on 13 March 2026** under the coordination of **Dr. Mohamed Kareemulla**. The event witnessed the enthusiastic participation of around 60 students from various engineering departments, who showcased innovative ideas and prototype models addressing real-world challenges.

The presentations were evaluated based on innovation, technical excellence, and presentation skills. **Asfiya Konain 1GV24CS016** and **Chandana D. S. 1GV24CS032** secured the **First Prize**, **Titikshaa Sri U 1GV24CS185** won the **Second Prize**, and **Deepak S 1GV24CS039** received the **Third Prize**. The winners were honored with Certificates of Achievement, reflecting the institute's commitment to fostering innovation, creativity, and research excellence.

SKILL-UP SESSION



The Department of Computer Science & Engineering, in association with the Institution's Innovation Council (IIC), organized a workshop on "Effective Sales & Marketing Strategies" for fourth-semester students. The session was conducted by Dr. Sujatha Mohan, who shared valuable insights into the fundamentals of sales, marketing techniques, customer engagement, branding, and business development strategies. Through interactive discussions and practical examples, students gained a better understanding of the importance of effective marketing in today's competitive business environment.

The workshop witnessed enthusiastic participation from all fourth-semester students, providing them with an opportunity to enhance their entrepreneurial mindset, communication skills, and strategic thinking. The event reflected the department's commitment to equipping students with industry-relevant knowledge and essential professional skills beyond the classroom.

WOMEN'S DAY 2026



The faculty members of the Department of Computer Science & Engineering, Dr. T. Thimmaiah Institute of Technology KGF, came together to celebrate International Women's Day 2026 with great enthusiasm, warmth, and appreciation. The occasion served as a meaningful tribute to the strength, resilience, and invaluable contributions of women educators and professionals who continue to shape the department through their dedication and excellence.

The celebration reflected the department's deep respect for the achievements of women and provided an opportunity to acknowledge their inspiring role in nurturing academic growth, innovation, and future leaders. Filled with moments of camaraderie and mutual appreciation, the event reinforced the values of equality, empowerment, and inclusivity, fostering a supportive and encouraging environment for all.

The event served as a testament to the department's unwavering commitment to recognizing and celebrating the invaluable contributions of women in academia and beyond.

MILESTONES & ACHIEVEMENTS



Abinaya M, 1GV24CS005 on successfully completing two prestigious NPTEL certification courses—**Introduction to Operating Systems** (8-week course, July–September 2025) and **Data Analytics with Python** (12-week course, January–April 2026). By earning 2–3 recommended credits with a score of 56% in the former and 4 recommended credits with a score of 66%



Deepak S, 1GV24CS039 on successfully completing the NPTEL 8-week course, **Introduction to Operating Systems**, conducted during July–September 2025. By securing a score of 57% and earning 2–3 recommended credits



M. Ashwini, 1GV24CS017 on successfully completing the **Cisco Networking Academy's CCNA: Introduction to Networks** course and the NPTEL 8-week course, **Database Management System**, conducted during January–March 2026. By earning 3 recommended credits and securing a score of 64% in the NPTEL certification, along with successfully completing the globally recognized CCNA networking course



Titikshaa Sri U, 1GV24CS185 on successfully completing the NPTEL 8-week course, **Database Management System**, conducted during January–March 2026. By earning 3 recommended credits and securing a score of 57%



Rekha Reddy J, 1GV24CS141 as successfully completing the NPTEL 4-week course, **Python for Data Science**, conducted during January–February 2026. By earning 2 recommended credits and securing a score of 62%,



N M Bhavani, 1GV24CS112 on successfully completing the prestigious NPTEL Elite 12-week course, **Neural Networks for Computer Vision and Natural Language Processing**, conducted during January–April 2026. By securing an impressive 88% and earning 4 recommended credit



Bhargavi H, 1GV24CS022 on successfully completing the NPTEL 8-week course, **Introduction to Operating Systems**, conducted during July–September 2025. By earning 2–3 recommended credits and securing a score of 54%

EXCELLENCE WALL



Prof. Shalini G., Department of Computer Science and Engineering, has been recognized as an **NPTEL Discipline Star for the January–April 2026 session** in recognition of mam's outstanding academic performance and commitment to continuous learning. This prestigious achievement reflects mam's dedication to professional development through NPTEL courses and highlights the department's commitment to fostering academic excellence, lifelong learning, and quality education.



Prof. Thara Devi M., Department of Computer Science and Engineering, successfully completed the NPTEL course "**Fundamentals of Object Oriented Programming**" during the **January–April 2026 session**, securing **84%** and earning **4 credits**. This achievement reflects mam's commitment to continuous learning, professional development, and enhancing her expertise in contemporary computing concepts.



Prof. Sophia S., Department of Computer Science and Engineering, successfully completed the NPTEL course "**Data Mining**" during the **January–March 2026 session**, securing **75%** and earning **3 credits**. This accomplishment reflects mam's dedication to continuous learning, skill enhancement, and strengthening her knowledge in the field of data analytics and mining.

A JOURNEY OF ACADEMIC EXCELLENCE



Dr. Mohamed Kareemulla, Professor, Department of Computer Science and Engineering, has made significant contributions to research, innovation, academic development, and professional learning through his active involvement in publications, expert lectures, training programs, and skill-development initiatives. Sir has co-authored the **book chapter "Advanced Data Science and Big Data Analytics"** with academicians from reputed institutions across India, contributing valuable insights into emerging technologies in Data Science, Big Data Analytics, and Artificial Intelligence.

As a distinguished resource person, Dr. Mohamed Kareemulla has delivered expert sessions on Artificial Intelligence and Emerging Career Opportunities, where he introduced students to AI fundamentals, emerging career roles, essential technical and soft skills, and the practical applications of AI across healthcare, finance, education, and agriculture. **Sir also addressed participants during the World Creativity and Innovation Day celebration, organized in association with the Institution's Innovation Council (IIC) and IEEE Bangalore Section,** encouraging students to embrace creativity, innovation, interdisciplinary learning, and entrepreneurship.

Demonstrating his commitment to institutional development and continuous professional learning, **Dr. Mohamed Kareemulla also served as the Resource Person for a Five-Day Training Program for Technical Staff,** equipping participants with practical knowledge of modern computing technologies and digital tools. In addition, **Sir has successfully completed a 3-Day Intensive Online Workshop on Drone Building, gaining hands-on knowledge of drone fundamentals.**

DRIVING AI RESEARCH, INNOVATION AND TECHNOLOGICAL EXCELLENCE



Dr. G. Kharmega Sundararaj, Associate Professor, Department of Computer Science and Engineering, Dr. T. Thimmaiah Institute of Technology, has established a notable record of academic and research excellence in 2026. Sir multidisciplinary work spans Artificial Intelligence, Machine Learning, Data Science, Healthcare, Agriculture, IoT, Smart Cities and Intelligent Decision-Making. During the year, sir published three research papers on data-driven business agility, AI-based brain tumor detection and computer-vision-based pain assessment. Sir has also authored two books and contributed two book chapters focusing on emerging AI technologies, predictive analytics, hybrid AI models and machine learning applications in healthcare.

Beyond his academic accomplishments, Dr. G. Kharmega Sundararaj has demonstrated a strong commitment to technological innovation through his intellectual property contributions. Sir has secured **two Design Patents for a deep-learning-based agricultural seeding machine and an AI-enabled token dispenser for queue management, along with two Utility Patent applications focused on environmental pollution prediction through EV sensor networks and IoT-based smart irrigation.** These innovations showcase his ability to transform research ideas into practical, technology-driven solutions for real-world challenges.

ECHOES OF EXCELLENCE



Prof. Shalini G, Department of Computer Science and Engineering, was recognized as an **NPTEL Discipline Star for the January–April 2026** session in recognition of mam's outstanding performance and consistent excellence across multiple NPTEL certification courses. This prestigious achievement reflects mam's commitment to continuous learning, academic excellence, and professional development, further enhancing the department's reputation for quality education and lifelong learning.



Prof. Ashwini S, Department of Computer Science and Engineering achieved remarkable academic recognition by publishing the book **Cyber Security and Threat Analysis** and the e-book **5G/6G Communication Standards and Approaches: Reference Book**. mam was also honored with the **Best Paper Award** at the **2nd International Conference on Computing for Sustainability and Intelligent Future (COMP-SIF)**, organized by BMS Institute of Technology & Management, for mam's research on 6G V2X vehicular edge resource allocation, reflecting mam excellence in research, innovation, and scholarly contributions.

PUBLICATIONS

- **Prof. Sharmilla Kumari** presented and published a research paper titled “DeepGraph Neural Network–Based Botnet Detection on IoT Networks” in JETIR, Volume 13, Issue 2, February 2026.
<https://www.jetir.org/papers/JETIR2602507.pdf>
- **Prof. Shalini** presented and published a research paper titled “Development of an innovative deep learning model for rice yield prediction in Karnataka using multi-modal data with feature fusion and adaptive residual network” in Smart Agricultural Technology on Science direct, Volume 14, August 2026,
<https://doi.org/10.1016/j.atech.2026.102191>
- **Prof. Preethi S** presented and published a research paper titled & Blockchain Technology in Healthcare Management: Enhancing Data Security and Interoperability, in the IEEE conference titled 6th International Conference on Recent Trends in Computer Science and Technology (ICRTCST), held on 29–30 January 2026.
- **Prof. Swetha N** published a research paper titled “Integration of Machine Learning and Optimization Algorithms for Intelligent & Adaptive Wireless Power Transfer Systems” in Volume 9, Issue 5, 2026 (ISSN: 2079–8784). <https://zenodo.org/records/20062681>
- **Prof. Ashwini S** presented and published a research paper titled “A Quantum–Inspired Optimization Architecture for Vehicular Edge Resource Allocation in 6G V2X Environments” at the 2nd International Conference on Computing for Sustainability and Intelligent Future (COMP–SIF) organized by BMS Institute of Technology & Management on 13th and 14th March 2026.
<https://ieeexplore.ieee.org/document/11481897>

PATENT

- **Dr. Geetha C. Megharaj, Prof. Premalatha .D, Prof. Parvathi T R, Prof. Thara Devi M, Prof . Swathi J.A** published a patent titled “A System and Method for Real-Time Detection of Manipulated or Deepfake Videos Using Artificial Intelligence” with Application No.202641031711 A in The Patent Office Journal, No. 13/2026.
- **Dr. Mohamed Kareemulla, Prof. Velantina V, Prof. Divya Shree V, Prof. Sophia S, and Prof. Lekha S** published a patent titled “Machine Learning-Based System and Method for Detecting Fraudulent Transactions in Unified Payments Interface (UPI)” with Application No. 202641032391 A in The Patent Office Journal, No. 13/2026.
- **Dr. G. Kharmega Sundararaj, Prof. Preethi S, Prof. Divya Shree V, Prof. Velantina V, and Prof. Anandha Mithra A** published a patent titled “An IoT and Machine Learning-Based Smart Water Leakage Detection and Control System for Real-Time Pipeline Monitoring” with Application No. 202641032425 A in The Patent Office Journal, No. 13/2026.
- **Prof. Vinutha B.A, Prof. Swathi J.A, Prof. Shalini G, Prof. Sharmila Kumari N, and Prof. Ashwini Priyanka** published a patent titled “Smart IoT-Based Real-Time Air Pollution Monitoring and Alert System” with Application No. 202641031828 A in The Patent Office Journal, No. 13/2026.
- **Prof. Punitha F, Prof. Ashwini Priyanka, Prof. Premalatha D, Prof. Ashwini S, and Prof. Mercy Flora Pritheba** published a patent titled “A Personalized Artificial Intelligence-Based Multi-Tasking Desktop Assistant System and Method for Intelligent Human-Computer Interaction” with Application No. 202641031134 A in The Patent Office Journal, No. 13/2026.
- **Prof. Sharmila Kumari N, Prof. Swetha N, Dr. Jansi Rani J, Prof. Nisha Bai M, and Prof. Anandha Mithra A** published a patent titled “An IoT-Based Smart Horticulture Monitoring and Automated Crop Management System” with Application No. 202641031133 A in The Patent Office Journal, No. 13/2026.
- **Prof. Mercy Flora Pritheba A, Prof. Lekha S, Prof. Vinutha B.A, Prof. Shalini G, and Prof. A.Sankareswari** published a patent titled “System and Method for Autonomous Vehicle Navigation Using Machine Learning, Multi- Sensor Fusion, and Simulation-Based Training” with Application No. 202641032392 A in The Patent Office Journal, No. 13/2026.
- **Prof. Sophia S, Prof. Parvathi T.R, Dr. Jansi Rani J, Prof. Punitha F, and Prof. Ashwini S** published a patent titled “Smart Fertilizer Recommendation System Using IoT-Based Soil Monitoring and Hybrid Machine Learning for Precision Agriculture” with Application No. 202641031721 A in The Patent Office Journal, No. 13/2026.
- **Prof. Preethi S, Prof. Sangeetha V, Dr. Geetha C. Megharaj, Prof. Swetha N, and Prof. A. Sankareswari** published a patent titled “Intelligent Network Traffic Anomaly Detection System Using Hybrid Machine Learning for Real-Time Cyber Threat Identification” with Application No. 202641031710 A in The Patent Office Journal, No. 13/2026.

OUTREACH PROGRAMS

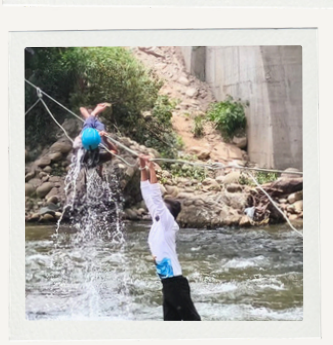


The Department of Computer Science & Engineering, Dr. T. Thimmaiah Institute of Technology (Dr. TTIT), KGF, organized an educational visit to the Indian Institute of Science (IISc), Bengaluru, on 7 March 2026 during the IISc Open Day for **Fourth-semester Computer Science & Engineering** students. A total of 105 students participated in the visit, gaining firsthand exposure to world-class research facilities, innovative projects, and advanced technology demonstrations across various scientific disciplines.

The visit provided students with valuable insights into cutting-edge research and emerging technologies, encouraging them to explore innovation, research, and higher education opportunities. It served as an enriching learning experience, inspiring students to broaden their technical knowledge and develop a deeper appreciation for scientific research and technological advancement.

NCC ENDEAVOURS

Marching Towards Excellence and Nation Building



Kumari Rajeshree 1GV23CS055 has successfully completed the Special Adventure Course conducted by the National Institute of Mountaineering and Adventure Sports (NIMAS), Dirang, West Kameng District, Arunachal Pradesh from **21 June 2026 to 30 June 2026**. As part of this intensive adventure training, she actively participated in various challenging activities including rock climbing, zip lining, tent pitching, trekking, survival techniques, and stream crossing. Her dedication, courage, and enthusiasm throughout the course were commendable, reflecting her spirit of adventure, perseverance, and commitment to personal growth.

The Department of Computer Science and Engineering proudly acknowledges her achievement and appreciates her efforts in bringing recognition to the department through her remarkable accomplishment.

VTU INTERCOLLEGE FEST 2026

A Celebration of Talent and Team Spirit



Students from the Department of Computer Science and Engineering proudly participated in the VTU Intercollege Fest 2026, held in Bengaluru, Karnataka, on 8 April 2026. Representing the department with enthusiasm and dedication, they took part in a variety of cultural, literary, and technical competitions, showcasing their talent, creativity, teamwork, and leadership. The fest provided an excellent opportunity to interact with students from other VTU-affiliated colleges, fostering collaboration, healthy competition, and the exchange of ideas. The experience enhanced the participants' confidence, communication skills, and overall personality development.

The Department appreciates the sincere efforts and spirited participation of all the students who brought pride to the institution and wishes them continued success in their future academic, cultural, and professional endeavors.

ALUMNI CHRONICLES



An expert talk on **“Turning Campus Dreams into Corporate Realities”** was organized on 31 January 2026 for sixth-semester B.E. Computer Science & Engineering students. The session was delivered by **Mr. Srikanth Iyer, Senior Architect at Aptean and a distinguished alumnus of the 2005–2009 batch**, who shared his inspiring journey from campus to the corporate world.

Drawing on his extensive industry experience, Mr. Srikanth Iyer provided valuable insights into corporate expectations, emerging technology trends, career planning, and essential professional skills.

The interactive session motivated students to prepare for industry challenges, enhance their technical competencies, and confidently pursue successful careers in the technology sector.

TECHNICAL INNOVATIONS

WEB DEVELOPMENT HACKATHON: CODE AND CREATE



The Department of Computer Science and Engineering, Dr. T. Thimmaiah Institute of Technology, successfully organized a **Web Development Hackathon** titled "**Code and Create**" on **18th April 2026**. The event was conducted by the **CSE Alumni Association** in collaboration with the **CSE Technical Club, INFINOX**, exclusively for CSE students. The hackathon was led by distinguished CSE alumni **Mr. Vishal R., Mr. Firoz Khan M., and Mr. Sharan M.**, Software Engineers at **SB Digital Automation**, who shared their industry expertise and guided participants throughout the event.

The hackathon provided an engaging platform for students to explore modern AI-powered web development tools, strengthen their UI/UX design skills, and transform innovative ideas into functional mini-projects. A total of 85 students actively participated, demonstrating creativity, technical proficiency, and collaborative problem-solving abilities. **The event was successfully coordinated by Prof. Tharadevi M. and Prof. Premalatha D.**, Department of Computer Science and Engineering, whose dedicated efforts contributed to making the hackathon a memorable and enriching learning experience.

BEYOND THE SCOREBOARD



The Department of Computer Science & Engineering proudly congratulates its talented students for being crowned the **Overall Champions (Women) in Sports for the Academic Year 2025–26**. This remarkable achievement reflects their dedication, discipline, teamwork, and unwavering determination, showcasing excellence both on and off the field.

Their outstanding performance has brought immense pride and recognition to the department and the institution. We extend our heartfelt congratulations and wish them continued success in achieving greater milestones in both academics and sports, inspiring others through their commitment, perseverance, and sporting excellence.

CRICKET TOURNAMENT 2026



Students from the Department of Computer Science & Engineering delivered an outstanding performance at the MJVCE Intercollege Cricket Tournament 2026, showcasing exceptional talent, teamwork, and sportsmanship under the leadership of **Captain Anith Suga Dev T 1GV22CS009**. Team members **Solomon Raj A 1GV22CS081** and **Suman 1GV23CS102** contributed significantly to the team's success. The team secured impressive victories against Brindavan College of Engineering and M. V. J. College of Engineering, earning a well-deserved place in the semifinals. Their remarkable performance brought pride to the department and institution.

BADMINTON DOUBLES CHAMPIONSHIP



The Department of Computer Science and Engineering proudly congratulates **Monisree N 1GV24CS108** and **Krithika V 1GV24CS080**, for emerging as the Winners of the Badminton Doubles Championship at Gold rush Fest 2026. Their exceptional teamwork, coordination, determination, and sportsmanship earned them the championship title, bringing great pride and recognition to both the department and the institution.

The Department applauds their outstanding accomplishment and wishes them continued success in future sporting events and all their endeavors.

THROWBALL TOURNAMENT



The Department of Computer Science and Engineering enthusiastically participated in the Inter-Department Throwball Tournament organized by the institution to promote sportsmanship, teamwork, and physical fitness among students. The tournament witnessed enthusiastic participation from students across various departments, creating a vibrant atmosphere filled with healthy competition, team spirit, and camaraderie. The CSE department was represented by **Shilpa P. Y 1GV23CS093**, **Spoorthi R 1GV23CS100**, **Mounika T A 1GV23CS067**, **Prithisha R 1GV23CS077**, **Pooja E 1GV23CS073**, **Jeevitha S 1GV24CS403** and **Shwetha 1GV24CS161** who actively participated in the tournament with dedication and team spirit. With the valuable support of faculty members and the Department of Physical Education, the event provided an excellent platform for students to showcase their athletic abilities while fostering teamwork, discipline, leadership, and sportsmanship, highlighting the importance of holistic development beyond the classroom.

FOOTBALL TOURNAMENT



Students of the Department of Computer Science and Engineering **AlwinChristopher S 1GV23CS005**, **Nithin D 1GV24CS120**, and **Basavaraj Manjunath Bankapur 1GV24CS020** proudly represented the institution in the VTU North Zone Football Tournament. The college football team delivered an outstanding performance by securing strong victories against SVIT and SVCE, advancing to the Semi-Finals of the tournament. Their exceptional teamwork, dedication, determination, and sportsmanship played a key role in the team's success, bringing pride and recognition to the department and the institution.

The Department of Computer Science and Engineering congratulates the students on their remarkable achievement and wishes them continued success in future sporting events and endeavors.

ATHLETICS MEET 2026



SAQUEEB KHAN N
1GV22CS067



ALWIN CHRISTOPHER
1GV23CS005

The students of the Department of Computer Science & Engineering, Dr. TTIT, KGF, actively participated in the Inter-Department Athletics Meet 2026, showcasing remarkable talent, dedication, discipline, and sportsmanship across various events. Their enthusiastic participation reflected their commitment to achieving excellence beyond academics while demonstrating exceptional physical strength, perseverance, and competitive spirit. The students delivered outstanding performances in both track and field events, bringing pride and recognition to the department through their hard work and determination. 🏆 **Alwin Christopher secured 1st Prize in Shot Put and Long Jump** and 🏆 **Saqeeb Khan N won 1st Prize in 800m, 1500m, and 5000m.** Their remarkable achievements are a testament to their dedication and passion for sports and serve as an inspiration to fellow students to pursue excellence in extracurricular activities alongside academics.

DR. TTIT'S FITTEST MEN 2026



Saqeeb Khan 1GV22CS067 showcased exceptional strength, determination, and athletic excellence at the Inter-Department Athletics Meet 2026, securing 1st Place with his outstanding performance. His achievement brought pride and recognition to the Department of Computer Science & Engineering.

THE SUCCESS

The Aim is like a game,
Winning a game is our Aim.
Once you run around the game,
If you win the game,
The game will felicitate your Name,
And your name obtiene and Fame.
This is not a SUCCESS..

Which rools on the mesa.
Luckily succeed the game,
The Aim is como a dice,
If you win the game,
You approach only a name and fame.
This is not a SUCCESS..

Failure is not a step of SUCCESS,
Failure is failure, success is SUCCESS.



Akshay Kumar K. N.
1GV23CS003

RESPECT.

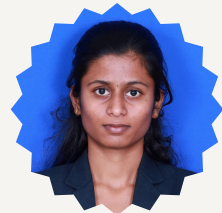
Gained from people who love you,
The people around you,

The people who care for you,
The people who protect you,

It's the dignity you carry,
By hiding your cries,

To the path that shaped you,
To the way that made you,

The more the respect,
The more you expect,
It does not define you perfect.
Nor correct.



DEEKSHAN R
1GV23CS025

ತಂತ್ರಜ್ಞಾನದ ಪಯಣ



ಕೈಯಲ್ಲಿ ಪುಸ್ತಕವಿದ್ದ ಕಾಲದಿಂದ,
ಕೈಯಲ್ಲಿ ಕಂಪ್ಯೂಟರ್ ಬಂದ ಕಾಲದವರೆಗೆ,
ಮನುಷ್ಯನ ಜ್ಞಾನ ಹೆಜ್ಜೆ ಹೆಜ್ಜೆಯಾಗಿ ಬೆಳೆದಿದೆ,
ತಂತ್ರಜ್ಞಾನದ ಪಯಣ ಹೊಸ ದಾರಿಯಾಗಿದೆ.



ಕಪ್ಪು ಪರಡೆಯ ಮೇಲೆ ಮೂಡುವ ಅಕ್ಷರಗಳು,
ಕೋಡ್‌ಗಳಾಗಿ ಬದಲಿ ಕನಸುಗಳನ್ನು ಕಟ್ಟುತ್ತವೆ,
ಒಂದು ಚಿಕ್ಕ ಆಲೋಚನೆಗೆ ರೂಪ ನೀಡಿದಾಗ,
ಅದು ಸಾವಿರಾರು ಜನರ ಬದುಕು ಬದಲಿಸುತ್ತದೆ.



ಬಿಟ್‌ಗಳಿಂದ ಬೈಟ್‌ಗಳವರೆಗೆ,
ಡೇಟಾದಿಂದ ಜ್ಞಾನದವರೆಗೆ,
ಕಂಪ್ಯೂಟರ್‌ನ ಪ್ರತಿಯೊಂದು ಲೆಕ್ಕಾಚಾರದಲ್ಲಿ,
ಮನುಷ್ಯನ ಬುದ್ಧಿಯ ಪ್ರತಿಬಿಂಬವಿದೆ.



ಕೃತಕ ಬುದ್ಧಿಮತ್ತೆ ಹೊಸ ಯುಗ ತರುತ್ತಿದೆ,
ರೋಬೋಟ್‌ಗಳು ಹೊಸ ಹೆಜ್ಜೆ ಇಡುತ್ತಿವೆ,
ಇಂಟರ್‌ನೆಟ್ ಜಗವನ್ನೇ ಹತ್ತಿರ ಮಾಡುತ್ತಿದೆ,
ತಂತ್ರಜ್ಞಾನ ಭವಿಷ್ಯವನ್ನು ರೂಪಿಸುತ್ತಿದೆ.



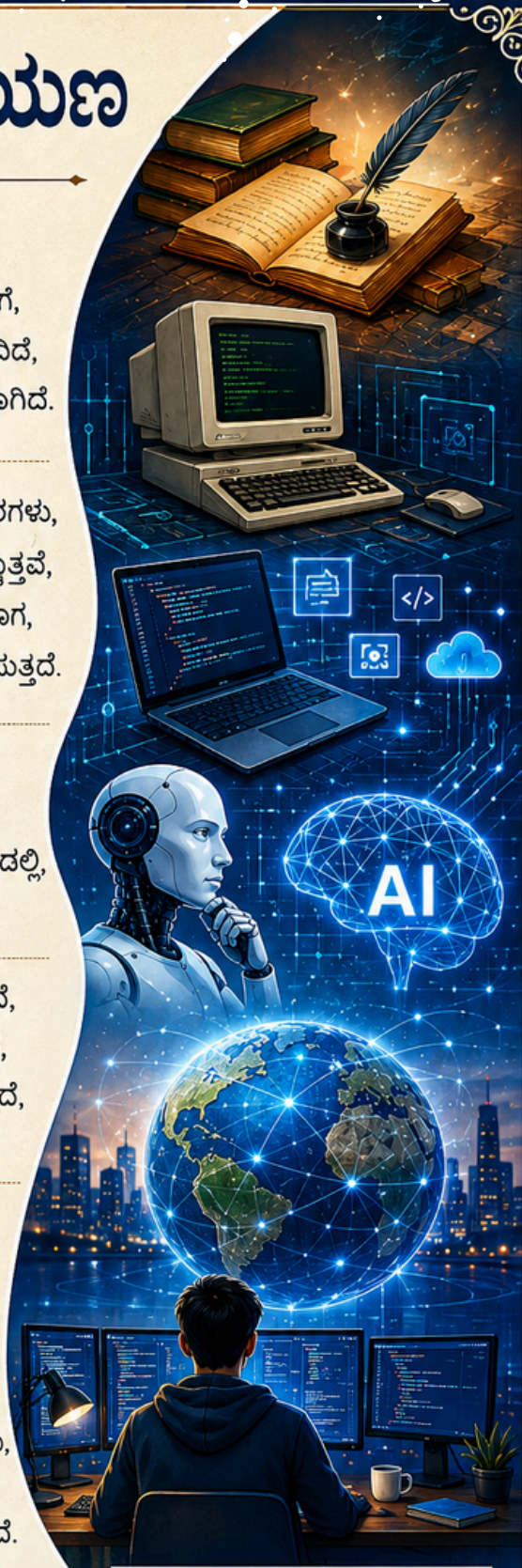
ಆದರೆ ಈ ಪಯಣಕ್ಕೆ ಅಂತ್ಯವಿಲ್ಲ,
ಪ್ರತಿ ದಿನ ಹೊಸ ಅವಿಷ್ಕಾರ ಹುಟ್ಟುತ್ತದೆ,
ನಿನ್ನೆ ಅಸಾಧ್ಯವೆನಿಸಿದ ಕನಸು ಕೂಡ,
ನಾಳೆ ತಂತ್ರಜ್ಞಾನದಿಂದ ನಿಜವಾಗುತ್ತದೆ.



ಕೋಡ್ ಬರೆಯುವ ಕೈಗಳು ಬದಲಾಗಬಹುದು,
ಆದರೆ ಹೊಸ ಜಗತ್ತನ್ನು ಸೃಷ್ಟಿಸುವ ಕನಸು
ಎಂದಿಗೂ ಮನುಷ್ಯನ ಮನಸ್ಸಿನಲ್ಲೇ ಇರುತ್ತದೆ.



ತಂತ್ರಜ್ಞಾನ ಮಾನವನ ಕಲ್ಪನೆಯಾಗಿ, ದೊಡ್ಡದು,
ಆದರೆ ಮಾನವನ ಕನಸೇ ಅದರ ಚಿತ್ರ.



Sindhu DD - 1GV23CS096
Sandhya V - 1GV23CS087
Sandhya R - 1GV23CS086



Wings of Knowledge

● Knowledge is a shining light,
Guiding us from wrong to right.
With every lesson that we learn,
New dreams within our hearts will burn.

● Books may open countless doors,
Leading us to distant shores.
Teachers plant the seeds of grace,
Helping every child embrace.

● Creativity paints the sky,
Teaching every mind to fly,
Through a poem, art, or song,
We discover where we belong.

● Hard work builds the strongest way,
Step by step, day by day.
Faith and courage hand in hand,
Help us proudly take a stand.

● Through every failure, we arise,
With lessons hidden in disguise.
Each little step, though slow it seems,
Brings us closer to our dreams.

● Let curiosity light the way,
And courage guide us every day.
For minds that question, hearts that care,
Can build a future bright and fair.

● Let us learn with joyful hearts,
Giving every dream a start.
For education is the key,
To a bright tomorrow, strong and free.



*Unlocking Today,
Inspiring Tomorrow. ♥*

DEEPAK S
1GV24CS039
Dept. of CSE



திருக்குறள்

ஒழுக்கம் விழுப்பம் தரலான் ஒழுக்கம்
உயிரினும் ஒம்பப் படும்.

பொருள்:

ஒருவருக்கு ஒழுக்கம், நல்ல நடத்தை, பண்பு ஆகியவை
உயர்வையும் மதிப்பையும் தருகின்றன. அதனால், நாம் நம் உயிரைக்
காட்டிலும் ஒழுக்கத்தை மிகவும் கவனமாகப் பாதுகாக்க வேண்டும்.

ஒழுக்கம் என்பது பெரியவர்களை மதிப்பது, ஆசிரியர்களைக்
கௌரவிப்பது, உண்மையைப் பேசுவது, பிறரிடம் அன்பாகவும்
மரியாதையாகவும் நடந்து கொள்வது போன்ற நல்ல பழக்கங்களைக்
குறிக்கும்.



Prof. Mercy Flora Pritheba
Assistant Professor, Dept.
CSE, Dr.TTIT

THE MATRIX OF VISION



Prof. Lekha S
Dept. CSE, Dr.TTIT

The rows and columns wake from sleep,
As pixels hold their shadows deep.
A matrix locks the right shade,
Where raw data waits to fade.
A sliding mask across the space
Erases noise without a trace.
The high-pass step draws lines so bright,
To bring a blurred world into sight.

Her Unfinished Sky

I was full of dreams
Dreams about my profession
Life after profession
Where i will not think twice
For buying a cloth
To buy an earring
not because of high cost
because i like it and now
i will not see corners of the shop
For someone agreeing about it
Dream about
How my home should be
The colour of the wall
The placement of any small thing
It may be a sofa or a plant
And some day i would cook my favourite
Because i never saw her cooking her favourites.
Laugh so loud in a place
Where eyes wouldn't stare at me
Cry so much
Where i won't hear
I was acting or sensitive
An identity
For who am i



What i do
But i always heard my surname
My surname hanging everywhere
Then suddenly one day
People became aware of my gender
Not that they didn't forget before
They never did
Later
They convinced me
My dream was to love and nurture others
Then
I came to the house
House which didn't resemble me
Still which i should call mine
Still looking in the corners
Everytime asking for opinions
Loving and nurturing the eyes
which were judging me
Time passed and i forgot
My Favourites exist
My identity always vanishes in air
My dream, something safe in that
old, rusted box
Wasn't i born with identity and dreams?
Or did they fade seeing my gender

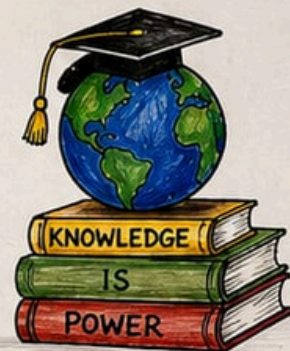
— HASINL.G
1GV23CS042





The Power of EDUCATION

Building Minds, Shaping Futures



INTRODUCTION

Education is the most powerful weapon which you can use to change the world. It is not just about reading books and passing exams, but about gaining knowledge, values, skills and wisdom to lead a better life and build a better society.

WHY EDUCATION MATTERS ?



It develops our thinking and helps us to make right decisions.



It gives us confidence to face challenges and achieve our goals.



It creates awareness about our rights, duties and responsibilities.



It promotes equality, peace and harmony in the society.

EDUCATION BEYOND BOOKS

True education goes beyond textbooks. It includes creativity, curiosity, discipline, sports, arts, communication and values. These shape our character and help us become better human beings.



CONCLUSION

Education is the key that unlocks endless opportunities. It empowers individuals, strengthens communities and builds nations. Let us value education, respect teachers and never stop learning, because learning never ends.

DEEPAK S
1GV24CS039
Dept. of CSE



"Education is the passport to the future, for tomorrow belongs to those who prepare for it today."

— Malcolm X

CHALLENGES IN EDUCATION

- Lack of proper resources in many areas.
- Distractions from technology and social media.
- Pressure and Stress.
- Financial problems.



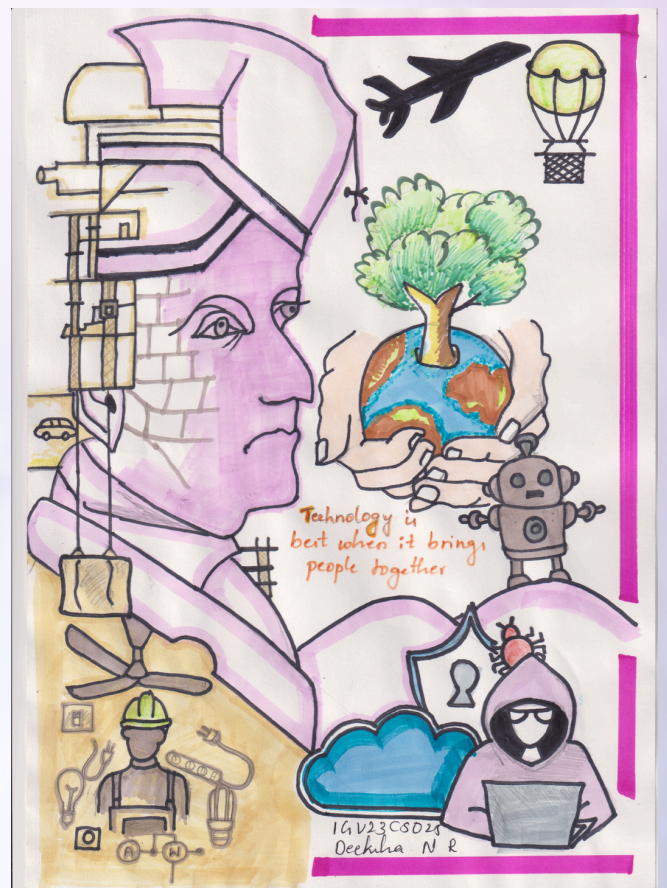
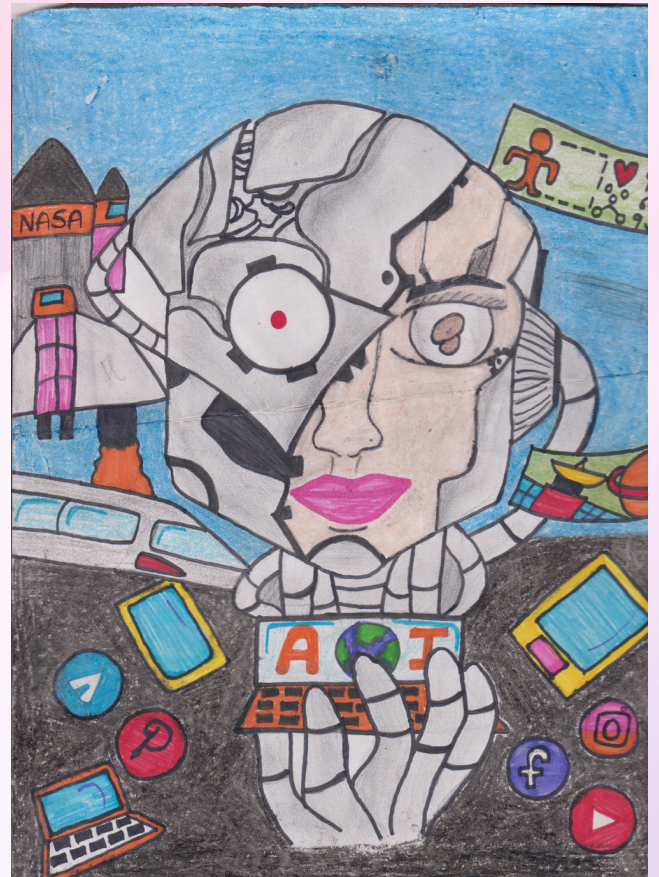
THE WAY FORWARD

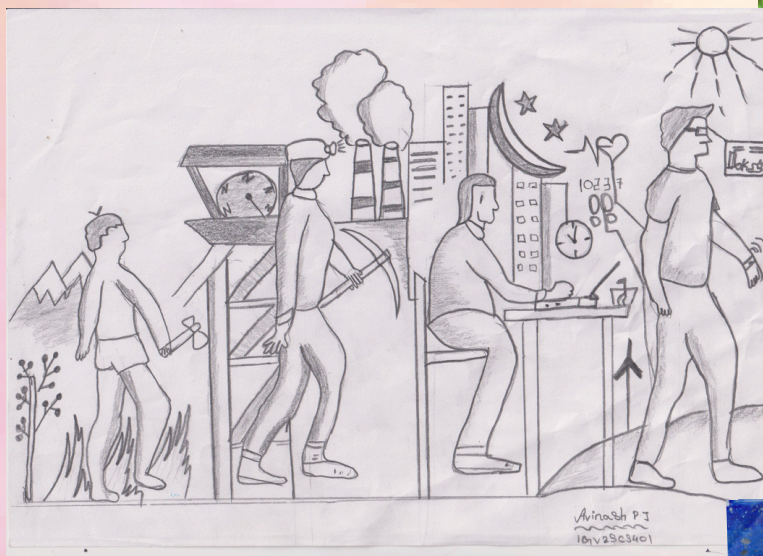
- ✓ Make learning interesting and practical.
- ✓ Encourage reading, questioning and creativity.
- ✓ Use technology wisely as a tool for growth.
- ✓ Support and motivate every learner.
- ✓ Build a society that values knowledge and character.

"Invest in education today, to build a better tomorrow. ♥"



COLORS OF IMAGINATION





BRAIN BYTES



ಒಗಟು

ನಾನು ನಿಮ್ಮ ಸುತ್ತಲೂ ಇರಬಹುದು,
ಆದರೆ ನನ್ನನ್ನು ನೀವು
ನೋಡಲು ಸಾಧ್ಯವಿಲ್ಲ.
ನಾನು ಇದ್ದಾಗ ಎಲ್ಲವೂ
ಶಾಂತವಾಗಿರುತ್ತದೆ.
ಆದರೆ ನನ್ನ ಹೆಸರನ್ನು
ನೀವು ಹೇಳಿದ ಕ್ಷಣ,
ನಾನು ಅಲ್ಲಿಯೇ
ಮಾಯವಾಗುತ್ತೇನೆ.
ನಾನು ಯಾರು?



ಉತ್ತರ:
ಮೌನ

S Vijay
1GV24CS146
Dept of CSE

मैं ऐसी चीज़ हूँ
जिसे आप बिना हाथ में
लिए दे सकते हैं।

आप मुझे बिना छुए
तोड़ सकते हैं।

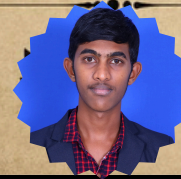
आप मुझे बिना कहीं रखे
निभा सकते हैं।

लोग मुझे बना सकते हैं,
लेकिन देख नहीं सकते।

कभी-कभी मुझे वर्षों तक
निभाया जा सकता है।

मैं क्या हूँ?

उत्तर: वादा



Deepak S
1GV24CS039
Dept of CSe



CROSSWORD

1							2	
3								
4								
5								
6								
7								
	8							
9								

ACROSS

1. Electronic machine that processes data.
3. An instance of a class in object-oriented programming.
4. Organized collection of structured data.
5. System connecting computers to share data and resources.
6. Step-by-step procedure for solving a problem.
7. Programs and instructions that run on a computer.
9. Physical components of a computer system.

DOWN

8. Object-oriented programming language.
2. Network device that forwards packets.



Prof. S Ashwini Priyanka
Dept. CSE, Dr.TTIT

CROSSWORD – ANSWER KEY

1 C	O	M	P	U	T	E	2 R	
							O	
3 O	B	J	E	C	T		U	
							T	
4 D	A	T	A	B	A	S	E	
							R	
5 N	E	T	W	O	R	K		
6 A	L	G	O	R	I	T	H	M
7 S	O	F	T	W	A	R	E	
	8 J							
9 H	A	R	D	W	A	R	E	
	V							
	A							

ACROSS

1. COMPUTER
3. OBJECT
4. DATABASE
5. NETWORK
6. ALGORITHM
7. SOFTWARE
9. HARDWARE

DOWN

8. JAVA
2. ROUTER

THE IP OF BETRAYAL: TRACEBACK

- THE FULL INVESTIGATION

CRIME SCENE

CONFIDENTIAL

SECTION 1: DISCOVERY & DISBELIEF



THE HUNT BEGINS



Digital forensic trails go dark at local Wi-Fi bridges. It's a precise, public-node hopping technique.



COORDINATE. Cross-reference node usage times. We need the physical user.



VIKRAM: This isn't a high-level hack; it's social engineering. Think like a local!



ARJUN: I'll prove that System 6 was a proxy, not the origin!

SECTION 2: PATHWAY OF DECEIT



DRIVER: My nephew is a bus spotter, he uses a camera app. The GPS tags show him near* this hotspot...



3

GIRL: The neighbor... he just shared it... he works for the Censor Board... he said it was fine to watch!



TEEN BOY



4

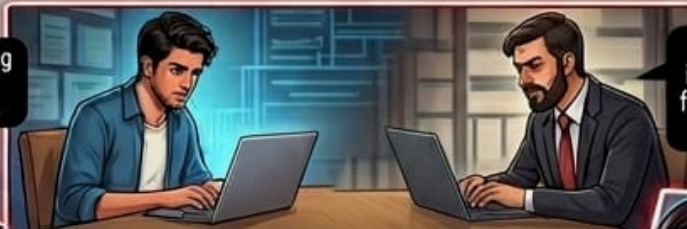


CENSOR EMPLOYEE: I'll leak, but I am the source... and another scammed user.

SECTION 3: COUNTER-STRIKE & FINAL MESSAGE



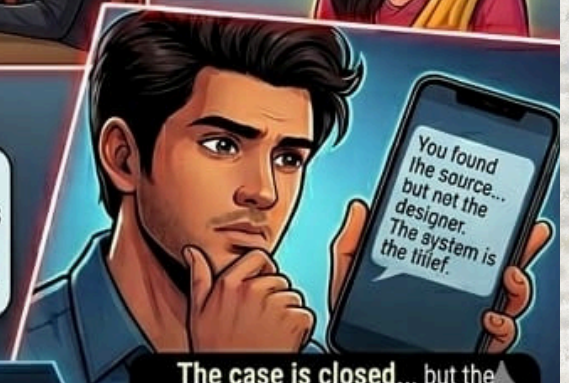
Reconstructing the fake job scam server.



We proved your innocence... and found the source. Justice is done.



With Meera's help to profile the scammed sister, I've mapped the 'ShadowRoot' network's precise data signature. The Censor Employee was the 'VS' leak source, but this network is still alive.



Written by
Asim Mohammed J (1GV24CS018)
Deepak S (1GV24CS039)

The case is closed... but the system lives. A network built on access will always be betrayed by access. 'Shadowfoot' is still on the network.

37TH GRADUATION

CELEBRATING THE SUCCESS OF THE 2022 BATCH

The 37th Graduation Day was a remarkable celebration of achievement, dedication, and the successful journey of the 2022 graduating batch. The ceremony honored the hard work, perseverance, and accomplishments of our students as they stepped into a new phase of their professional lives. It was a day filled with pride, happiness, and cherished memories as graduates received their degrees and celebrated their years of learning and growth.

The Department extends its heartfelt wishes to the Class of 2022 for a bright and successful future. Their journey serves as an inspiration to future generations of students to pursue excellence, innovation, and continuous learning.

The Magazine Committee extends its sincere appreciation to **Aflah Kaunyn 1GV22CS004, Student Editor of Techno Spire** and a 2022 pass-out, for her dedication and hard work towards the magazine. Her contribution and commitment will remain an inspiration for the upcoming batches.

The torch of Techno Spire is passed forward, inspiring new contributors to continue its journey with dedication, creativity, and enthusiasm.



TECH SPIRE

EDITION-2 2025-26

"Exploring the frontiers of technology,
where CSE minds learn, innovate, and
lead the digital revolution."

